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1645

RAW SEQUENCE LISTING      DATE: 07/26/2000  
PATENT APPLICATION: US/09/374,721A      TIME: 12:21:58

Input Set : A:\Ign2004.app  
Output Set: N:\CRF3\07262000\I374721A.raw

3 <110> APPLICANT: Kenten, John H.  
4     Roberts, Steven  
5     Lohnas, Gerald  
7 <120> TITLE OF INVENTION: HEAT SHOCK FUSION-BASED VACCINE SYSTEM  
9 <130> FILE REFERENCE: CIP OF IGN-9601  
11 <140> CURRENT APPLICATION NUMBER: 09/374,721A  
12 <141> CURRENT FILING DATE: 1999-08-13  
14 <150> PRIOR APPLICATION NUMBER: 09/026,276  
15 <151> PRIOR FILING DATE: 1998-02-19  
17 <160> NUMBER OF SEQ ID NOS: 35  
19 <170> SOFTWARE: PatentIn Ver. 2.0  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 35  
23 <212> TYPE: PRT ✓  
24 <213> ORGANISM: Artificial Sequence ✓  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓  
28     antigen  
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31 Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile His Ile Gly Pro  
32     1                     5                     10                     15  
34 Gly Arg Ala Phe Tyr Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln  
35                     20                     25                     30  
37 Ala His Cys  
38                     35  
41 <210> SEQ ID NO: 2  
42 <211> LENGTH: 15  
43 <212> TYPE: PRT ✓  
44 <213> ORGANISM: Artificial Sequence ✓  
46 <220> FEATURE:  
47 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓  
48     antigen  
50 <400> SEQUENCE: 2  
51 Lys Arg Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Lys  
52     1                     5                     10                     15  
55 <210> SEQ ID NO: 3  
56 <211> LENGTH: 17  
57 <212> TYPE: PRT ✓  
58 <213> ORGANISM: Artificial Sequence ✓  
60 <220> FEATURE:  
61 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓  
62     antigen  
64 <400> SEQUENCE: 3  
65 Cys Lys Ser Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Gly  
66     1                     5                     10                     15  
68 Cys  
72 <210> SEQ ID NO: 4

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73 <211> LENGTH: 50
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
80 <400> SEQUENCE: 4
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83 <210> SEQ ID NO: 5
84 <211> LENGTH: 37
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
91 <400> SEQUENCE: 5
92 tgttggttaaa ctgtctgacg ctctgtaagc ttctgca 37
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 43
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
102 <400> SEQUENCE: 6
103 gaagcttaca gaggctcaga cagtttaaca acagccggcg gca 43
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 36
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
113 <400> SEQUENCE: 7
114 gcggtggaa gtgaacctgg tcgcccac gcagtc 36
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117 <211> LENGTH: 50
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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125 ttaagactgc gtggcgctga ccaggttcac ttccagccgc tgccgccggc 50
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 36
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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136 gcggtggaa gtgaacctgg tcagcggccac gcagtc 36
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 55
  
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140 <212> TYPE: DNA ✓  
141 <213> ORGANISM: Artificial Sequence ✓  
143 <220> FEATURE:  
144 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer ✓  
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147 aagaaatcca catcggtccg ggtcgtgctt tctacaccac catccgcgcg gatca        55  
149 <210> SEQ ID NO: 11  
150 <211> LENGTH: 54  
151 <212> TYPE: DNA ✓  
152 <213> ORGANISM: Artificial Sequence ✓  
154 <220> FEATURE:  
155 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer ✓  
157 <400> SEQUENCE: 11  
158 atccggcggg atggtggtgt agaaagcacg acccgaccg atgtggattt cttt        54  
160 <210> SEQ ID NO: 12  
161 <211> LENGTH: 33  
162 <212> TYPE: DNA ✓  
163 <213> ORGANISM: Artificial Sequence ✓  
165 <220> FEATURE:  
166 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer ✓  
168 <400> SEQUENCE: 12  
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172 <211> LENGTH: 29  
173 <212> TYPE: DNA ✓  
174 <213> ORGANISM: Artificial Sequence ✓  
176 <220> FEATURE:  
177 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer ✓  
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182 <210> SEQ ID NO: 14  
183 <211> LENGTH: 34  
184 <212> TYPE: DNA ✓  
185 <213> ORGANISM: Artificial Sequence ✓  
187 <220> FEATURE:  
188 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer ✓  
190 <400> SEQUENCE: 14  
191 gttaggtggt gtagaaagca cgaccggac cgat        34  
193 <210> SEQ ID NO: 15  
194 <211> LENGTH: 20  
195 <212> TYPE: DNA ✓  
196 <213> ORGANISM: Artificial Sequence ✓  
198 <220> FEATURE:  
199 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer ✓  
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202 gtggatgccg ccacgcagtc        20  
204 <210> SEQ ID NO: 16  
205 <211> LENGTH: 12  
206 <212> TYPE: PRT ✓

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207 <213> ORGANISM: Artificial Sequence ✓
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓
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213 <400> SEQUENCE: 16
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215   1             5             10
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220 <212> TYPE: PRT ✓
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide
225     antigen
227 <400> SEQUENCE: 17
228 Asp Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu Ser
229   1             5             10             15
231 Asp Ala Leu
235 <210> SEQ ID NO: 18
236 <211> LENGTH: 22 ✓
237 <212> TYPE: PRT ✓
238 <213> ORGANISM: Artificial Sequence ✓
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓
242     antigen
244 <400> SEQUENCE: 18
245 Lys Glu Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe
246   1             5             10             15
248 Met Leu Cys Ile Pro Pro
249             20
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 22 ✓
254 <212> TYPE: PRT ✓
255 <213> ORGANISM: Artificial Sequence ✓
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓
259     antigen
261 <400> SEQUENCE: 19
262 Lys Glu Asp Val Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe
263   1             5             10             15
265 Met Leu Cys Met Pro Pro
266             20
269 <210> SEQ ID NO: 20
270 <211> LENGTH: 20 ✓
271 <212> TYPE: PRT ✓
272 <213> ORGANISM: Artificial Sequence ✓
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide ✓
276     antigen
  
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## VERIFICATION SUMMARY

DATE: 07/26/2000

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TIME: 12:21:59

Input Set : A:\Ign2004.app

Output Set: N:\CRF3\07262000\I374721A.raw

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L:470 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (33) SEQUENCE:
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